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DECEMBER 11, 2002

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Under Secretary of Commerce For Intellectual Property and
 Director of the United States Patent and Trademark Office
 Washington, DC 20231
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UNITED STATES PATENT AND TRADEMARK OFFICE
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BRIEF: ASSIGNMENT OF ASSIGNEE'S INTEREST (SEE DOCUMENT FOR DETAILS).

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DOC DATE: 08/15/2002

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DOC DATE: 08/15/2002

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DOC DATE: 08/12/2002

ASSIGNEE:

JOHNSON, BRIAN D.

DOC DATE: 08/12/2002

ASSIGNEE:

CLIFF, RICHARD

DOC DATE: 09/04/2002

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DOC DATE: 08/16/2002

013287/0045 PAGE 2

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DOC DATE: 09/14/2002

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DOC DATE: 08/26/2002

ASSIGNOR:
WYSOCKI, CHRIS

DOC DATE: 08/15/2002

ASSIGNOR:
MARQUARDT, ALEXANDER R.

DOC DATE: 08/15/2002

ASSIGNEE:
ALTERA CORPORATION
101 INNOVATION DRIVE
SAN JOSE, CALIFORNIA 95134**SERIAL NUMBER:** 10140287
PATENT NUMBER:FILING DATE: 05/06/2002
ISSUE DATE:SHARON BROOKS, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

09-18-2002

U.S. DEPARTMENT OF COMMERCE

SHEET

Patent and Trademark Office
Docket No. 306812002600

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To the Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

David M. LEWIS, Paul LEVENTIS, Andy L. LEE, Brian D. JOHNSON, Richard CLIFF, Srinivas T. REDDY, Christopher F. LANE, Cameron R. MCCLINTOCK, Vaughn BETZ, Chris WYSOCKI and Alexander R. MARQUARDT

9-18-02

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

Assignment
 Security Agreement
 Other:

Merger
 Change of Name

Execution Date: August 15, 2002, August 15, 2002, August 12, 2002, August 12, 2002, September 4, 2002, September 4, 2002, August 16, 2002, August 14, 2002, August 26, 2002, August 15, 2002 and August 15, 2002

2. Name and address of receiving party(ies):

Name: Altera Corporation
Internal Address:
Street Address: 101 Innovation Drive
City: San Jose, State: California ZIP: 95134

Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)
10/140,287 (filed May 6, 2002)

B. Patent No.(s)

Additional numbers attached? Yes No

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FINNACE SECTION

5. Name and address of party to whom correspondence concerning document should be mailed:

Michael Mauriel
Morrison & Foerster LLP
425 Market Street
San Francisco, California 94105-2482

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. § 3.41): \$40.00

 Enclosed Authorized to be charged to deposit account, referencing Attorney Docket 306812002600

8. Deposit account number: 03-1952

The Commissioner is hereby authorized to charge any fees under 37 C.F.R. § 1.21 that may be required by this paper, or to credit any overpayment to Deposit Account No. 03-1952.

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Name: Michael Mauriel
Registration No: 44,226

Signature

Date

Total number of pages comprising cover sheet, attachments and document: 4

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Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks

Box Assignments

Washington, D.C. 20231

SF-1368017

ASSIGNMENT
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THIS ASSIGNMENT, by David M. LEWIS, Paul LEVENTIS, Andy L. LEE, Brian D. JOHNSON, Richard CLIFF, Srinivas T. REDDY, Christopher F. LANE, Cameron R. McClintock, Vaughn BETZ, Chris WYSOCKI and Alexander R. MARQUARDT (hereinafter referred to as the assignors), residing at 188 Howland Avenue, Toronto, Ontario M5R 3B6 Canada, 14 Luscombe Avenue, Toronto, Ontario M4B 3B6 Canada, 1227 Briarleaf Circle, San Jose, California 95131, 1311 Kingfisher Way #2, Sunnyvale, California 94087, 6 Middlebury Lane, Los Altos, California 94022, 2289 Carmellia Court, Fremont, California 94539, 3133 Stevens Court, San Jose, California 95148, 279 Walker Drive, Mountain View, California 94043, 233 Riverside Drive, Toronto, Ontario, Canada, 2801 55 Charles Street West, Toronto, Ontario M5S 2W9 Canada and 2801 55 Charles Street West, Toronto, Ontario M5S 2W9, respectively, witnesseth:

WHEREAS, said assignors have invented certain new and useful improvements in ROUTING ARCHITECTURE FOR A PROGRAMMABLE LOGIC DEVICE, set forth in an application for Letters Patent of the United States, having an oath or declaration executed on even date herewith; bearing Serial No. 10/140,287 and filed on May 6, 2002; and

WHEREAS, Altera Corporation, a corporation duly organized under and pursuant to the laws of Delaware and having its principal place of business at 101 Innovation Drive, San Jose, California 95134 (hereinafter referred to as the assignee) is desirous of acquiring the entire right, title and interest in and to said inventions and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, said assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto said assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said assignee, for its own use and the use of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the assignors, had this sale and assignment not been made.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said assignors are the sole and lawful owners of the entire right, title and interest in and to said inventions and the application for Letters Patent above-mentioned, and that the same are unencumbered and that said assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee, its successors, legal representatives and assigns, that said assignors will, whenever counsel of said assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said inventions, without charge to said assignee, its successors, legal representatives and assigns, but at the cost and expense of said assignee, its successors, legal representatives and assigns.

AND said assignors hereby request the Commissioner of Patents to issue said Letters Patent of the United States to said assignee as the assignee of said inventions and the Letters Patent to be issued thereon for the sole use of said assignee, its successors, legal representatives and assigns.

COPY

Date

David M. LEWIS

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Paul LEVENTIS

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Andy L. LEE

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Brian D. JOHNSON

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Richard CLIFF

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Srinivas T. REDDY

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Christopher F. LANE

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Vaughn BETZ

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Chris WYSOCKI

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Alexander R. MARQUARDT

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